

## ABSTRACT OF THE DISCLOSURE

A waterborne pigmented paper or paperboard coating composition containing as  
10 pigment 50% to 100%, by weight based on pigment weight, calcium carbonate  
and from 1% to 25%, as dry weight based on pigment weight, of an aqueous  
polymeric dispersion including

- (a) 95-25% by weight, based on the weight of the solids of the aqueous  
polymeric dispersion, of a first emulsion polymer having an average  
15 particle diameter of 150 to 3000 nanometers and
- (b) 5-75% by weight, based on the weight of the solids of the aqueous  
polymeric dispersion, of a second emulsion polymer having an average  
particle diameter of 40 to 600 nanometers

wherein the ratio of the average particle diameter of the first emulsion polymer  
20 to the average particle diameter of the second emulsion polymer is from 1.2 to  
60, wherein at least the first emulsion polymer particles, when dry, contain at  
least one void, and wherein the first emulsion polymer is prepared in the  
presence of the second emulsion polymer or the second emulsion polymer is  
prepared in the presence of the first emulsion polymer is provided, as is a  
25 method for improving the sheet gloss of paper or paperboard coated with the  
coating composition..